

**WASHINGTON STATE DEPARTMENT OF HEALTH  
OFFICE OF SHELLFISH AND WATER PROTECTION**

**ANNUAL GROWING AREA REVIEW**

**PREPARED BY:** Laura A. White, R.S., Public Health Advisor

**AREA:** North River

**YEAR ENDING:** December 31, 2011

**CLASSIFICATION:** Approved, Unclassified

**ACTIVITIES IN THE GROWING AREA IN THE CURRENT YEAR:**

Samples were collected from each station in the growing area six times during the year using the Systematic Random Sampling method. We completed a shoreline survey within this growing area. No direct or indirect impacts were identified during the survey.

**ANALYTICAL RESULTS OF WATER SAMPLES:**

Table 1 summarizes the results of all samples collected from the area. This summary shows that all stations in the area pass the NSSP water quality standard.

**CHANGE IN ACTUAL POLLUTION SOURCES THAT IMPACT THE GROWING AREA:**

We currently have no information indicating that the area has new sources of pollution.

**CLASSIFICATION STATUS:**

- Well within the classification standards
- Meets standards but some concerns
- Meets standards but threatened with a downgrade in classification
- Fails to meet classification standards

**REMARKS AND RECOMMENDATIONS:**

Table 1 shows that all stations meet the NSSP water quality standards for an Approved classification and the area is correctly classified.

## TABLE 1

### SUMMARY OF MARINE WATER DATA (SRS)

Growing Area: **NORTH RIVER**

Classification: **Approved,Unclassified**

From **02/13/2007** To **12/31/2011**

### FECAL COLIFORM ORGANISMS/100 ML

Station Number	Classification	Number of Samples	Range	Geometric Mean	Est. 90th Percentile	Meets Std.
60	Approved	30	1.7 - 70.0	2.6	7.0	Yes
64	Approved	30	1.7 - 240.0	2.4	8.0	Yes
65	Approved	30	1.7 - 49.0	2.4	6.0	Yes
66	Approved	30	1.7 - 130.0	2.5	7.0	Yes
67	Approved	30	1.7 - 79.0	3.1	10.0	Yes
68	Approved	30	1.7 - 33.0	2.3	6.0	Yes
69	Approved	30	1.7 - 110.0	3.2	12.0	Yes
70	Approved	30	1.7 - 26.0	2.3	5.0	Yes
71	Approved	30	1.7 - 49.0	2.3	5.0	Yes
72	Approved	30	1.7 - 22.0	2.2	4.0	Yes
73	Approved	30	1.7 - 11.0	2.4	5.0	Yes
74	Approved	30	1.7 - 23.0	3.5	10.0	Yes
61	Unclassified	30	1.7 - 170.0	3.4	14.0	Yes
62	Unclassified	30	2.0 - 130.0	9.8	45.0	No
63	Unclassified	30	2.0 - 79.0	7.5	26.0	Yes

All tides information is presented

The standard for approved shellfish growing waters is fecal coliform geometric mean not greater than 14 organisms/100 ml and an estimate of the 90th percentile not greater than 43 organisms/100 ml. The above table shows bacteriological results in relation to program standards.

† All samples have been verified.

